

WHAT IS CLAIMED IS:

1. A digital camera, comprising:

an image pick-up element which can read out pixel data in a nondestructive manner;

specifying means for specifying addresses of a plurality of pixels thinned out among all pixels of said image pick-up element; and

data read-out means for reading out pixel data of said specified plurality of pixels in a destructive manner before a main exposure and pixel data of said specified plurality of pixels in a nondestructive manner during said main exposure.

2. The digital camera as recited in claim 1, further comprising a display which displays a live-view image by using said pixel data read out in said destructive manner before said main exposure and said pixel data read out in said nondestructive manner during said main exposure.

3. The digital camera as recited in claim 1, further comprising a detector which performs a blur-detection by using said pixel data read out in said destructive manner before said main exposure and said pixel data read out in said nondestructive manner during said main exposure.

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4. A pixel data read-out control apparatus, the apparatus comprising:

specifying means for specifying a plurality of pixels thinned out among all pixels of an image pick-up element which can read out pixel data in a nondestructive manner; and

read-out means for reading out pixel data of said specified pixels in a destructive manner before a main exposure and pixel data of said specified pixels in a nondestructive manner during said main exposure.

5. The pixel data read-out control apparatus as recited in claim 4, further comprising a display which displays a live-view image by using said pixel data read out in said destructive manner before said main exposure and said pixel data read out in said nondestructive manner during said main exposure.

6. The pixel data read-out control apparatus as recited in claim 4, further comprising a detector which performs a blur-detection by using said pixel data read out in said destructive manner before said main exposure and said pixel data read out in said nondestructive manner during said main exposure.

7. A pixel data read-out control method, the method comprising:

specifying a plurality of pixels thinned out among all pixels

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reference to a table of a fixed pattern noise corresponding to pixels contained in said plurality of blocks, and wherein said adder adds pixel data from which said fixed pattern noise is eliminated to said pixels contained in said plurality of blocks.

14. A blur-detection method, comprising:

a step for performing noise cancellation processing to pixel data of said block obtained by reading out in a nondestructive manner with reference to a table of a fixed pattern noise corresponding to pixels contained in said block;

15. The blur-detection method as recited in claim 14, wherein processing defined in each of said steps is subjected to pixel data contained in a plurality of bocks.